

This Page Is Inserted by IFW Operations  
and is not a part of the Official Record

## **BEST AVAILABLE IMAGES**

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

**IMAGES ARE BEST AVAILABLE COPY.**

**As rescanning documents *will not* correct images,  
please do not report the images to the  
Image Problem Mailbox.**

## 5181-49801/P4435DIV

Application No.: Unknown  
Filed: Herewith  
Inventors:  
Bernard A. Traversat  
Michael J. Duigou  
Thomas E. Saulpaugh  
Gregory L. Slaughter  
Title: CACHING MECHANISM  
FOR A VIRTUAL HEAP

**Derrick Brown**

a. ☐ within 3 months of the filing date of a national application other than a continued prosecution application under § 1.53(d);

- ☐ within 3 months of the date of entry of the national stage as set forth in § 1.491 in an International application;
- ☒ before the mailing date of a first Office Action on the merits; or
- ☐ before the mailing of a first Office Action after the filing of a request for continued examination under § 1.114.
- b. ☐ after the events of above paragraph 1a and prior to the mailing date of a final Office Action or Notice of Allowance, and thus: ☐ the certification of paragraph 2 below is provided, or ☐ a fee of \$180.00 (submitted with electronic IDS).
- c. ☐ after the mailing date of a final Office Action or a Notice of Allowance and prior to payment of the issue fee, and thus: the certification of paragraph 2 below is provided and a fee of \$180.00 is enclosed.

2. It is hereby certified:

- ☐ that each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application and that this communication was not received by any individual designated in § 1.56(c) more than thirty (30) days prior to the filing of the information disclosure statement;
- ☐ that each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three (3) months prior to the filing of the Statement; or
- ☐ that no item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the person signing the certification after making reasonable inquiry, was known to any individual designated in § 1.56 (c) more than three (3) months prior to the filing of the Statement.

3. ☐ Consideration of the following additional information (including any co-pending or abandoned U.S. applications, prior uses and/or sales, etc.) is requested:

4. For each non-English language reference listed on the attached Form PTO-1449:

- ☐ reference is made to an English language translation submitted herewith, and/or
- ☐ reference is made to a foreign patent office search report (in the English language) submitted herewith, and/or
- ☐ reference is made to an English language translation of a foreign patent office search report submitted herewith, and/or
- ☐ reference is made to the concise explanation contained in the specification of the present application at page(s) \_\_\_\_\_, and/or
- ☐ reference is made to the concise explanation set forth below:

5. ☐ Applicant also offers the following comments for the Examiner's consideration:
6. ☐ Also enclosed is a copy of a foreign search report citing these references.
7. ☐ The listed documents were brought to the attention of the Applicant(s) after payment of the issue fee in the captioned case. The documents were cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. Applicant(s) request this Information Disclosure Statement and attached Form PTO-1449 be placed in the file of the captioned application.
8. ☐ Applicant(s) requests that the Information Disclosure Statement and attached Form PTO-1449 and references, which are being filed before the grant of the patent and pursuant to 37 C.F.R. § 1.97(i), be placed in the file of the captioned application.

If any required fees are missing, the Commissioner is authorized to charge said fees to Meyertons, Hood, Kivlin, Kowert & Goetzel, P.C. Deposit Account No. 501505/5181-49801/RCK.

Respectfully submitted,



Robert C. Kowert  
Reg. No. 39,255  
Attorney for Applicant(s)

MEYERTONS, HOOD, KIVLIN,  
KOWERT & GOETZEL, P.C.  
P. O. Box 398  
Austin, Texas 78767  
(512) 853-8800

Date: February 20, 2004

<b>Form PTO-1449</b> (modified) List of Patents and Publications For Applicant's Information Disclosure Statement (Use several sheets if necessary)			ATTY. DKT. NO. 5181-49801  APPLICANT: Traversat et al.  FILING DATE: Herewith		SERIAL NO. Unknown  GROUP: Unknown		
<b>U.S. PATENT DOCUMENTS</b>							
EXAM. INITIALS	REF. DES.	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES/NO
		6,480,862	11/02	Thomas Alan Gall			
		6,070,173	5/00	Huber, et al.			
		5,778,187	7/7/98	Monteiro, et al.			
		5,832,529	11/3/98	Wollrath, et al.			
		5,455,952	10/3/95	Gjovaag			
		5,386,568	1/31/95	Wold, et al.			
		5,423,042	6/6/95	Jalili, et al.			
		5,481,721	1/2/96	Serlet, et al.			
		5,557,798	9/17/96	Skeen, et al.			
		5,944,793	8/31/99	Islam, et al.			
		5,946,485	8/31/99	Weeren, et al.			
		5,946,694	8/31/99	Copeland, et al.			
		4,491,946	1/1/85	Kryshow, Jr., et al.			
		4,713,806	12/15/87	Oberlander, et al.			
		4,809,160	2/28/89	Mahon, et al.			
		4,939,638	7/3/90	Stephenson, et al.			
		5,088,036	2/11/92	Ellis, et al.			
		4,823,122	4/18/89	Mann, et al.			
		4,956,773	9/11/90	Saito, et al.			
		5109,486	4/28/92	Seymour			
		5,187,787	2/16/93	Skeen, et al.			
		5,218,699	6/8/93	Brandle, et al.			
		5,257,369	10/26/93	Skeen, et al.			
		5,293,614	3/8/94	Ferguson, et al.			
		5,297,283	3/22/94	Kelly, Jr., et al.			
		5,307,490	4/26/94	Davidson, et al.			
		5,311,591	5/10/94	Fischer			

EXAMINER:

DATE CONSIDERED:

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the patent owner.

<b>Form PTO-1449</b> (modified) List of Patents and Publications For Applicant's Information Disclosure Statement (Use several sheets if necessary)			ATTY. DKT. NO. 5181-49801  APPLICANT: Traversat et al.  FILING DATE: Herewith		SERIAL NO. Unknown  GROUP: Unknown		
		5,339,435	8/16/94	Lubkin, et al.			
		5,390,328	2/14/95	Frey, et al.			
		5,440,744	8/8/95	Jacobson, et al.			
		5,448,740	9/5/95	Kiri, et al.			
		5,452,459	9/19/95	Drury, et al.			
		5,471,629	11/28/95	Risch			
		5,475,792	12/12/95	Stanford, et al.			
		5,475,817	12/12/95	Waldo, et al.			
		5,504,921	4/2/96	Dev, et al.			
		5,511,197	4/23/96	Hill, et al.			
		5,524,244	6/4/96	Robinson, et al.			
		5,553,282	9/3/96	Parrish, et al.			
		5,555,367	9/10/96	Premarlani, et al.			
		5,555,427	9/10/96	Aoe, et al.			
		5,560,003	9/24/96	Nilsen, et al.			
		5,561,785	10/1/96	Blandy, et al.			
		5,577,231	11/19/96	Scalzi, et al.			
		5,594,921	1/14/97	Pettus			
		5,603,031	2/11/97	White, et al.			
		5,680,573	10/21/97	Rubin, et al.			
		5,680,617	10/21/97	Gough, et al.			
		5,684,955	11/4/97	Meyer, et al.			
		5,689,709	11/18/97	Corbett, et al.			
		5,706,435	1/6/98	Barbara, et al.			
		5,706,502	1/6/98	Foley, et al.			
		5,724,588	3/3/98	Hill, et al.			
		5,727,145	3/10/98	Nessett, et al.			
		5,617,537	4/1/97	Yamada, et al.			
		5,628,005	5/6/97	Hurvig			
		5,640,564	6/17/97	Hamilton, et al.			

EXAMINER:

DATE CONSIDERED:

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the patent owner.

<b>Form PTO-1449</b> (modified) List of Patents and Publications For Applicant's Information Disclosure Statement (Use several sheets if necessary)			ATTY. DKT. NO. 5181-49801  APPLICANT: Traversat et al.  FILING DATE: Herewith		SERIAL NO. Unknown  GROUP: Unknown		
		5,644,768	7/1/97	Periwal, et al.			
		5,652,888	7/29/97	Burgess, et al.			
		5,655,148	8/5/97	Richman, et al.			
		5,659,751	8/19/97	Heninger			
		5,671,225	9/23/97	Hooper, et al.			
		5,675,796	10/7/97	Hodges, et al.			
		5,737,607	4/7/98	Hamilton, et al.			
		5,745,678	4/28/98	Herzberg, et al.			
		5,745,695	4/28/98	Gilchrist, et al.			
		5,745,703	4/28/98	Cejtin, et al.			
		5,745,755	4/28/98	Covey			
		5,748,897	5/5/98	Katiyar			
		5,754,849	5/19/98	Dyer, et al.			
		5,757,925	5/26/98	Faybishenko			
		5,761,656	6/2/98	Ben-Shachar			
		5,764,897	6/9/98	Khalidi			
		5,768,532	6/16/98	Megerian			
		5,774,551	6/30/98	Wu, et al.			
		5,778,228	7/7/98	Wei			
		5,778,368	7/7/98	Hogan, et al.			
		5,787,425	7/28/98	Bigus			
		5,787,431	7/28/98	Shaughnessy			
		5,790,548	8/4/98	Sistanizadeh, et al.			
		5,802,367	9/1/98	Held, et al.			
		5,808,911	9/15/98	Tucker, et al.			
		5,809,507	9/15/98	Cavanaugh, III			
		5,813,013	9/22/98	Shakib, et al.			
		5,815,149	9/29/98	Mutschler, III et al.			
		5,815,709	9/29/98	Waldo, et al.			
		5,815,711	9/29/98	Sakamoto, et al.			

EXAMINER:

DATE CONSIDERED:

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the patent owner.

<b>Form PTO-1449</b> (modified) List of Patents and Publications For Applicant's Information Disclosure Statement (Use several sheets if necessary)			ATTY. DKT. NO. 5181-49801  APPLICANT: Traversat et al.  FILING DATE: Herewith		SERIAL NO. Unknown  GROUP: Unknown		
		5,818,448	10/6/98	Katiyar			
		5,829,022	10/27/98	Watanabe, et al.			
		5,832,219	11/3/98	Pettus			
		5,832,529	11/3/98	Wollrath, et al.			
		5,832,593	11/10/98	Wurst, et al.			
		5,835,737	11/10/98	Sand, et al.			
		5,842,018	11/24/98	Atkinson, et al.			
		5,844,553	12/1/98	Hao, et al.			
		5,845,129	12/1/98	Wendorf, et al.			
		5,860,004	1/12/99	Fowlow, et al.			
		5,860,153	1/12/99	Matena, et al.			
		5,864,862	1/26/99	Kriens, et al.			
		5,864,866	1/26/99	Henckel, et al.			
		5,872,928	2/16/99	Lewis, et al.			
		5,872,973	2/16/99	Mitchell, et al.			
		5,875,335	2/23/99	Beard			
		5,878,411	3/2/99	Burroughs, et al.			
		5,884,024	3/16/99	Lin, et al.			
		5,884,079	3/16/99	Furusawa			
		5,887,134	3/23/99	Ebrahim			
		5,890,158	3/30/99	House, et al.			
		5,892,904	4/6/99	Atkinson, et al.			
		5,933,497	8/3/99	Beetcher, et al.			
		5,935,249	8/10/99	Stern, et al.			
		5,940,827	8/17/99	Hapner, et al.			
		5,966,531	10/12/99	Skeen, et al.			
		5,969,967	10/19/99	Aahlad, et al.			
		5,987,506	11/16/99	Carter, et al.			
		5,999,179	12/7/99	Kekic, et al.			
		6,003,763	12/21/99	Gallagher, et al.			

EXAMINER:

DATE CONSIDERED:

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the patent owner.



<b>Form PTO-1449</b> (modified) List of Patents and Publications For Applicant's Information Disclosure Statement (Use several sheets if necessary)			ATTY. DKT. NO. 5181-49801  APPLICANT: Traversat et al.  FILING DATE: Herewith		SERIAL NO. Unknown  GROUP: Unknown		
		6,009,103	12/28/99	Woundy			
		6,016,496	1/18/00	Roberson			
		6,026,414	2/15/00	Anglin			
		6,031,977	2/29/00	Pettus			
		6,061,699	5/9/00	DiCecco, et al.			
		6,061,713	5/9/00	Bharadhwaj			

### FOREIGN PATENT DOCUMENTS

EXAM. INITIALS	REF. DES.	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES/NO
		11-45187	10/10/97	JP			
		2 253 079	8/26/92	GB			
		2 262 825	6/30/93	GB			
		2 305 087	3/26/97	GB			
		300 516	1/25/89	EP			
		351 536	1/24/90	EP			
		384 339	8/29/90	EP			
		472 874	3/4/92	EP			
		474 340	3/11/92	EP			
		497 022	8/5/92	EP			
		555 997	8/18/93	EP			
		565 849	10/20/93	EP			
		569 195	11/10/93	EP			
		697 655	2/21/96	EP			
		660 231	6/28/95	EP			
		651 328	5/3/95	EP			
		625 750	11/23/94	EP			
		718 761	6/26/96	EP			
		767 432	4/9/97	EP			

EXAMINER:

DATE CONSIDERED:

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the patent owner.

<b>Form PTO-1449</b> (modified) List of Patents and Publications For Applicant's Information Disclosure Statement (Use several sheets if necessary)			ATTY. DKT. NO. 5181-49801  APPLICANT: Traversat et al.  FILING DATE: Herewith		SERIAL NO. Unknown  GROUP: Unknown		
		778 520	6/11/97	EP			
		794 493	9/10/97	EP			
<b>FOREIGN PATENT DOCUMENTS</b>							
EXAM. INITIALS	REF. DES.	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES/NO
		803 810	10/29/97	EP			
		803 811	10/29/97	EP			
		805 393	11/5/97	EP			
		810 524	12/3/97	EP			
		817 020	1/7/98	EP			
		817 022	1/7/98	EP			
		817 025	1/7/98	EP			
		836 140	4/15/98	EP			
		92/07335	4/30/92	WO			
		92/09948	6/11/92	WO			
		93/25962	12/23/93	WO			
		94/03855	2/17/94	WO			
		96/10787	4/11/96	WO			
		96/03692	2/8/96	WO			
		96/18947	6/20/96	WO			
		96/24099	8/8/96	WO			
		98/02814	1/22/98	WO			
		98/04971	2/5/98	WO			
<b>OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)</b>							
		Jaworski, "Java 1.1 Developer's Guide, 2 <sup>nd</sup> Edition," Sams.net, 1997.					
		Coulouris, et al., "Distributed Systems Concepts and Designs," Second Edition, Addison-Wesley, 1994.					
		Mullender, "Distributed Systems," Second Edition, Addison-Wesley, 1993.					
		Lindholm, et al., "The Java <sup>TM</sup> Virtual Machine Specification," Addison Wesley, 1996.					
		"SOAP: Simple Object Access Protocol," msdn online Web Workshop, Microsoft, April 26, 2000, <a href="http://msdn.Microsoft.com/xml/general/soapspec.asp">http://msdn.Microsoft.com/xml/general/soapspec.asp</a> , 34 pages.					

EXAMINER:

DATE CONSIDERED:

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the patent owner.

<b>Form PTO-1449</b> (modified) List of Patents and Publications For Applicant's Information Disclosure Statement (Use several sheets if necessary)	ATTY. DKT. NO. 5181-49801  APPLICANT: Traversat et al.  FILING DATE: Herewith	SERIAL NO. Unknown  GROUP: Unknown
		Rob Guth, "Sun tries on JcaSpaces for Distributed OS," August 1997, Vol. 19, Issue 34, 2 pages.
		Microsoft, "Microsoft.NET: Realizing the Next Generation Internet," A Microsoft White Paper, June 2000, 8 pages.
		K. F. Eustice, et al., "A Universal Information Appliance," IBM Systems Journal, Vol. 38, No. 4, 1999, Pp. 575-601.
		Wycoff et al., "T Spaces," IBM Systems Journal, Vol. 37, No. 3-Java Technology, August 1998, 36 pages.
		Steve Morgan, "Jini to the Rescue," IEEE Spectrum, April 2000, Vol. 37, No. 4, 8 pages.
		"Java <sup>TM</sup> Remote Method Invocation Specification," Sun Microsystems, Inc., <java.sun.com/products/dk1.2beta1>, 1997.
		Agha, et al., "Actorspaces: An Open Distributed Programming Paradigm," University of Illinois, Report No. UIUCDCS-R-92-1766, Open Systems Laboratory TR NO. 8, pp. 1-12, November 1992.
		Ahmed, et al., "A Program Building Tool for Parallel Applications," Yale University, pp. 1-23, December 1, 1993.
		Aldrich, et al., "Providing Easier Access to Remote Objects in Client-Server Systems," System Sciences, 1998, Proceedings of the 31 <sup>st</sup> Hawaii Internat'l. Conference, Jan. 6-9, 1998, pp. 366-375.
		Aldrich, et al., "Providing Easier Access to Remote Objects in Distributed Systems," Calif. Institute of Technology, www.cs.Caltech.edu/%7Ejedi/paper.html, Nov. 21, 1997.
		Anderson, et al., "Persistent Linda: Linda + Transaction + Query Processing," Proceedings of the 13 <sup>th</sup> Symposium on Fault Tolerant Systems, pp. 93-109, 1991.
		"Transparent Network Computing," Locus Computing Corporation, January 5, 1995.
		Alexander, et al., "Active Bridging," Proceedings of the ACM/SIGCOMM'97 Conference, Cannes, France, September, 1997.
		Beech, et al., "Object Databases as Generalizations of Relational Databases," Computer Standards & Interfaces, Vol. 13, Nos. 1/3 pp. 221-230, Amsterdam, NL, January 1991.
		Bertino, et al., "Object-Oriented Database Management Systems: Concepts and issues," Computer, Vol. 24, No. 4, pp. 33-47, Los Alamitos, CA, April 1991.
		Betz, et al., "Interoperable Objects: Laying the Foundation for Distributed Object Computing," Dr. Dobb's Journal, Vol. 19, NO. 11, page 18(13), October 1994.
		Bevan, et al., "An Efficient Reference Counting Solution To The Distributed Garbage Collection Problem," Parallel Computing, NL, Elsevier Science Publishers, Amsterdam, Vol. 9, No. 2, pages 179-192, January 1989.
		Birrell, et al., "Distributed Garbage Collection for Network Objects," Digital Systems Research Center, NO. 116, pages 1-18, December 15, 1993.
		Birrell, et al., "Grapevine: An Exercise in Distributed Computing," Communications fo the ACM, Vol. 25, No. 4, pp. 260-274, April 1982.
		Birrell, et al., "Network Objects," DEC SRC Research Report 115, February 28, 1995.

EXAMINER:

DATE CONSIDERED:

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the patent owner.

<b>Form PTO-1449</b> (modified) List of Patents and Publications For Applicant's Information Disclosure Statement (Use several sheets if necessary)	ATTY. DKT. NO. 5181-49801  APPLICANT: Traversat et al.  FILING DATE: Herewith	SERIAL NO. Unknown  GROUP: Unknown
		Birrell, et al., "Implementing Remote Procedure Calls," ACM Transactions on Computer Systems, Vol. 2, No. 1, pp. 39-59, February 1994.
		Birrell, et al., "Network Objects," Operating Systems Review, 27(5), pp. 217-230, December 1993.
		Cannon, et al., "Adding Fault-Tolerant Transaction Processing to LINDA," Software-Practice and Experience, Vol. 24(5), pp. 449-466, May 1994.
		Cardelli, "Obliq, A Lightweight Language For Network Objects," Digital SRC, pp. 1-37, November 5, 1993.
		Carriero, et al., "Distributed Data Structures in Linda," Principles of Programming Language, pp. 1-16, 1986.
		Carriero, et al., "Distributed Data Structures in Linda," Yale Research Report YALEU/DCS/RR-438, November 1985.
		Chung, et al., "A Tiny' Pascal Compiler: Part 1: The P-Code Interpreter," BYTE Publications, Inc., September 1978.
		Chung, et al., "A Tiny' Pascal Compiler: Part 2: The P-Compiler," BYTE Publications, Inc., October 1978.
		Dave, et al., "Proxies, Application Interface, And Distributed Systems," Proceedings International Workshop On Object Orientation In Operating Systems, pages 212-220, September 24, 1992.
		Deux, et al., "The O2 System," Communications Of The Association For Computing Machinery, Col. 34, No. 10, pages 34-48, October 1, 1991.
		Dijkstra, "Self-stabilizing Systems in Spite of Distributed Control," Communications of the ACM, Vol 17, No. 11, pp. 643-644, November 1974.
		Dolev, et al., "On the Minimal Synchronism Needed for Distributed Consensus," Journal of the ACM, Vol. 34, NO. 1, pp. 77-97, January 1987.
		Dollimore, et al., "The design of a System for Distributing Shared Objects," The Computer Journal, No. 6, Cambridge, GB, December 1991.
		Dourish, "A Divergence-Based Model of Synchrony and Distribution in Collaborative Systems," Xerox Technical Report EPC-1194-102, pp. 1-10, 1994.
		Drexler, et al., "Incentive Engineering for Computational Resource Management," The Ecology of Computation, Elsevier Science Publishers B.V., pp. 231-266, 1988.
		Gelernter, et al., "Parallel Programming in Linda," Yale University, pp. 1-21, January 1995.
		Droms, "RFC 1541 Dynamic Host Configuration Protocol," < <a href="http://www.cis.ohio-state.edu.htbin/rfc/rfc1541.html">http://www.cis.ohio-state.edu.htbin/rfc/rfc1541.html</a> >, pages 1-33, October 1993.
		Emms, "A Definition Of AN Access Control Systems Language," Computer Standards And Interfaces, Vol. 6, No. 4, pp. 443-454, January 1, 1997.
		Fleisch, et al., "High Performance Distributed Objects Using Distributed Shared Memory & Remote Method Invocation," System Sciences, 1998, Proceedings of the 31 <sup>st</sup> Hawaii Internat'l. Conference, Jan. 6-9, 1998, pp. 574-578.
		Gelernter, "Generative Communication in Linda," ACM Transactions on Programming Languages and Systems, Vol. 7, No. 1, pp. 80-112, January 1985.

EXAMINER:

DATE CONSIDERED:

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the patent owner.

<b>Form PTO-1449</b> (modified) List of Patents and Publications For Applicant's Information Disclosure Statement (Use several sheets if necessary)	ATTY. DKT. NO. 5181-49801  APPLICANT: Traversat et al.  FILING DATE: Herewith	SERIAL NO. Unknown  GROUP: Unknown
	Gottlob, et al., "Extending Object-Oriented Systems with Roles," ACM Transactions On Information Systems, Vol. 14, NO. 3, pp. 268-296, July 1996.	
	Gray, et al. "Leases: An Efficient Fault-Tolerant Mechanism for Distributed File Cache Consistency," ACM, pp. 202-210, 1989.	
	Guth, "JavaOne: Sun to Expand Java Distriubted Computing Effor," < <a href="http://www.sunworld.com/swol-02-1998/swol-02-sunspots.html">http://www.sunworld.com/swol-02-1998/swol-02-sunspots.html</a> >, XP-002109935, p.1, February 20, 1998.	
	Guyennet, et al., "A New Consistency Protocol Implemented in the CaliF System," IEEE, 1094-7256/97, pp. 82-87, 1997.	
	Guyennet, et al., "Distributed Shared Memory Layer for Cooperative Work Applications," IEEE, 0742-1303/97, pp. 72-78, 1997.	
	Hamilton, et al., "Subcontract: A Flexible Base for Distributed Programming," Proceedings of 14 <sup>th</sup> Symposium of Operating System Principles, December 1993.	
	Hamilton, "Java and the Shift to Net-Centric Computing," Computer, pp. 31-39, August 1996.	
	Harris, et al., "Proposal for a General Java Proxy Class for Distributed Systems and Other Uses," Netscape Communications Corp., June 25, 1997.	
	Hartman, et al., "Liquid Software: A New Paradigm For Networked Systems," Technical Report 96-11, Dept. of Comp. Sci., Univ. of Arizona, June 1996.	
	Howard, et al., "Scale and Performance in a Distributed File System," ACM Transactions on Computer Systems, Vol. 6, No. 1, pp. 51-81, February 1988.	
	Pier, "A Retrospective on the Dorando, A High-Performance Personal Computer," Xerox Corporation, August 1983.	
	Pinakis, "Using Linda as the Basis of an Operating System Microkernel," University of Western Australia, Dept. of Computer Science, pp. 1-165, August 1993.	
	Riggs, et al., "Picking State in the Java <sup>TM</sup> System," USENIX, Association Conference on Object-Oriented Technologies and Systems, CP-002112719, pp. 241-250, June 17-21, 1996.	
	Rosenberry, et al., "Understanding DCE," Chapters 1-3, 6, 1992.	
	Sharrott, et al., "ObjectMap: Integrated High Performance Resources into a Distributed Object-oriented Environment," ICODP, 1995.	
	Stevenson, "Token-Based Consistency of Replicated Servers," IEEE, CH2686-4/89/0000/0179, pp. 179-183, 1989.	
	Thompson, "Regular Expression Search Algorithm," Communications of the ACM, Vol. II, No. 6, p. 149 et seq., June 1968.	
	Venners, "Jini Technology, Out of the Box," JAVAWORLD, 'Online!', pp. 1-4, December 1998.	
	Waldo, et al., "Events in An RPC Based Distributed System," Proceedings Of The 1995 USENIX Technical Conference, Proceedings USENIX Winter 1995 Technical Conference, New Orleans, LA, USA, 16-20, pages 131-142, January 1995.	

EXAMINER:

DATE CONSIDERED:

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the patent owner.

<b>Form PTO-1449</b> (modified) List of Patents and Publications For Applicant's Information Disclosure Statement (Use several sheets if necessary)	ATTY. DKT. NO. 5181-49801  APPLICANT: Traversat et al.  FILING DATE: Herewith	SERIAL NO. Unknown  GROUP: Unknown
		Wilson, et al., "Design of the Opportunistic Garbage Collector," Proceedings of the Object Oriented Programming Systems Languages And Applications Conference, New Orleans, Vol. 24, No. 10, October 1989
		Wollrath, et al., "A Distributed Object Model for theJava <sup>TM</sup> System," USENIX Association, Conference on Object-Oriented Technologies and Systems, June 17-21, 1996.
		Wu, "A Type System For An Object-Oriented Database Systems," Proceedings of the International Computer Software and Applications Conference (COMPSAC), Tokyo, Japan, pp. 333-338, Sept. 11-13, 1991.
		Yemini, et al., "Towards Programmable Networks," IFIP/IEEE International Workshop on Distributed Systems: Operations and Management, L'Aquila, Italy, October 1996.
		Yin, et al., "Using Leases to Support Server Driven Consistency in Large-Scale Systems," Computer Services Department, University of Texas at Austin, p. 285-294, May 26-28, 1998.
		Yin, et al., "Volume Leases for Consistency in Large-Scale Systems," IEEE Transactions on Knowledge & Data Engineering, Vol. 11, No. 4, pp. 563-576, July/August 1999.
		Mitchell, et al., "An Overview of the Spring System," February 1994.
		Mitchell, et al., "Mesa Language Manual," Xerox Corporation, Palo Alto Research Center, 1978.
		McDaniel, "An Analysis of a Mesa Instruction Set," Xerox Corporation, May 1982.
		McGrath, "Discovery and its Discontents: Discovery Protocols for Ubiquitous Computing," Presented at Center for Excellence in Space Data and Information Science, NASA Goddard Space Flight Center, April 5, 2000.
		Mummert, et al., "Long Term Distributed File Reference Tracing: Implementation and Experience," Carnegie Mellon University School of Computer Science, pp. 1-28, November 1994.
		Orfali, et al., "The Essential Distributed Objects Survival Guide," Chapter 11: Corba Commercial ORBs, pages 203-215, John Wiley & Sons, Inc., 1996.
		Ousterhout, et al., "The Sprite Network Operating System," Computer, IEEE, pp. 23-36, February 1988.
		Pier, "A Retrospective on the Dorando, A High-Performance Personal Computer," IEEE Conference Proceedings, The 10 <sup>th</sup> Annual International Symposium on Computer Architecture," 1993.
		Hunt, "IDF: A Graphical Data Flow Programming Language for Image Processing and Computer Vision," Proceedings of the International Conference on Systems, Man, and Cybernetics, pp. 351-360, Los Angeles, Nov. 4-7, 1990.
		IBM <sup>TM</sup> Technical Disclosure Bulletin, "Object Location Algorithm," Vol. 36, No. 09B, pp. 257-258, September 1993.
		IBM, "Chapter 6 - Distributed SOM (DSOM)," SOMobjects Developer Toolkit Users Guide, Version 2.1, pages 6-1-6-90, October 1994.
		Anonymous, "Change-Notification Service for Shared Filed," IBM Technical Disclosure Bulletin, Vol. 36, No. 8, pages 77-82, XP002109435 New York, US, November 1973.
		IBM <sup>TM</sup> Technical Disclosure Bulletin, "Retrieval of Qualified Variables Using Extendible Hashing," Vol. 36, No. 12, pp. 301-303, December 1993.

EXAMINER:

DATE CONSIDERED:

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the patent owner

**Form PTO-1449** (modified)  
List of Patents and Publications  
For Applicant's Information  
Disclosure Statement  
(Use several sheets if necessary)

FILING DATE: Herewith

GROUP: Unknown

Gosling, et al., "The Java <sup>TM</sup> Language Specification," Addison-Wesley, 1996.

Information Disclosure Statement--PTO 1449 (modified)